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Indian Standard
SPECIFICATION FOR SUITCASES

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SPECIFICATION FOR SUITCASES

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Indian Standard

SPECIFICATION FOR SUITCASES

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 27 January 1976, after the draft finalized by the Travel Requisites Sectional Committee had been approved by the Consumer Products and Medical Instruments Division Council.

0.2 Suitcases differ in design, shape, colour and size from one manufacturer to another. Even with a particular size and shape, the quality of the material and workmanship may be different.

0.3 In the preparation of this standard, due weightage has been given to the proper type of materials to be used and prevalent trade practices being followed by the manufacturers in this field. Though the users are free to have the sizes and dimensions of their choice, a few sizes have been given for their guidance.

0.4 This standard contains clauses which call for agreement between the purchaser and the supplier and which permit the purchaser to use his option for selection to suit his requirements. The relevant clauses are 3.2, 4.2, 4.4, 4.5, 4.6, 4.7, 4.9, 5.1 and 7.1.

0.5 For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960*. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

1. SCOPE

1.1 This standard covers the requirements for suitcases made of leather, leathercloth, plywood and fibre board.

2. MATERIALS

2.1 The various components of the suitcase shall be made from materials specified in Table 1. Materials, not specifically designated shall be suitable for the purpose intended.

*Rules for rounding off numerical values (*revised*).

TABLE 1 MATERIALS FOR COMPONENT OF SUITCASES

(Clause 2.1)

SL No.	COMPONENTS	MATERIAL	CONFORMING TO
(1)	(2)	(3)	(4)
i)	Body and lid	Vegetable, chrome or combination tanned sheep, cow or young buffalo leather or Leathercloth	— Grade 2 or 3 of IS:1259-1962*
		or Plywood	Any Grade of IS:303-1960†
		or Fibreboard	IS:1658-1966‡
ii)	Foundation material	Cardboard or Plywood	— Any grade of IS:303-1960†
iii)	Lining material	Cotton lining cloth or Rayon satin lining cloth or Leathercloth	IS:1535-1960§ IS:2136-1974 Grade 4 or Grade 5 of IS:1259-1962*
iv)	Sewing thread	Cotton thread or Linen thread	Variety No. 5, 14 or 19 of IS:1720-1969¶ Variety No. 3 or 3R of IS:2196-1966**
v)	D-rings, feet slide fasteners hinges and stays	Mild steel Steel or brass Mild steel	— IS:3148-1967†† —
vi)	Lock	Steel or brass	—
vii)	Rivets	Steel or aluminium	IS:3974-1967‡‡

*Specification for vinyl coated fabrics (leathercloth) (revised).

†Specification for plywood for general purposes (revised).

‡Specification for fibre hardboards (revised).

§Specification for cotton lining cloth, dyed.

||Specification for rayon satin lining cloth (first revision).

¶Specification for cotton sewing threads (first revision).

**Specification for linen sewing thread for aeronautical purposes (revised).

††Specification for metallic slide fasteners (first revision).

‡‡Specification for bifurcated rivets for general purposes.

3. SHAPES AND DIMENSIONS

3.1 The shapes and dimensions of suitcases shall be according to Fig. 1 and Table 2.

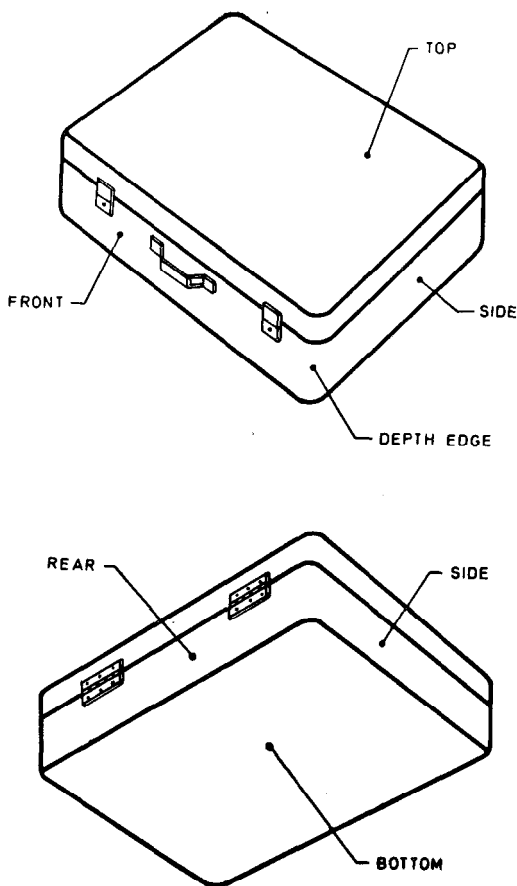


FIG. 1 DESIGNATION OF FACES, SUITCASES

3.2 The suitcases may have dimensions other than those given in this standard subject to agreement between the supplier and the purchaser.

4. MANUFACTURE, WORKMANSHIP AND FINISH

4.1 The suitcases shall be soundly constructed. The lid shall be closed snugly on the body. Slide fastener may also be used for closing the lid and body of suitcases made of leathercloth and thin leather.

TABLE 2 OUTER NOMINAL DIMENSIONS OF SUITCASES

(Clause 3.1)

All dimensions in millimetres.

SIZE No.	LENGTH	WIDTH	HEIGHT
1	660	420	190
2	730	440	205
3	760	455	215

4.2 Plywood or cardboard may be used to reinforce the body and lid of suitcases made of leathercloth and thin leather as agreed to between the supplier and the purchaser.

4.3 The stitching shall be single row with 28 to 32 stitches per decimeter and of even tension. At the end of each row of stitching there shall be at least three back stitches, except where reinforcing with a rivet or suitably cross stitched. The thread ends shall be trimmed or seared.

4.4 The handle shall be of the round vickle type (paper wound) covered with leather or leathercloth and lock stitched across the top. The handle shall be reinforced with a flat steel strip. The ends of the flat steel strip shall loop round two D-rings attached to the ends of the handle. The handle may also be of plastics moulded and attached to the D-rings as agreed to between the supplier and the purchaser. A minimum gap of 55 mm shall be provided between the handle and the body to give a comfortable grip.

4.5 The suitcases shall be equipped with two 3-position extension locks. The locks shall be secured to the front of the suitcase with steel prongs. The prongs shall pass through corresponding holes in a metal-backing plate. The backing plate shall be covered with buffing leather or leathercloth. The type and design of lock may be provided as agreed to between the purchaser and the supplier.

4.6 The suitcases may be flexible at top, bottom or sides as agreed to between the purchaser and the supplier. When the lid is fully open, the body shall not tilt.

4.7 The inside of the suitcases shall be lined with cotton rayon silk or leathercloth as agreed to between the purchaser and the supplier.

4.8 Suitable feet shall be provided at the bottom of the suitcases to avoid the full ground contact.

4.9 Tie tapes, pockets and slide fasteners to close the pockets may be provided as agreed to between the purchaser and the supplier.

4.10 The mild steel components shall be coated chromium over nickel conforming to Grade 3 of IS:1068-1968*.

4.11 The suitcases shall be finished smooth without any sharp edges or constructional defects. There shall not be any loose thread and uneven seams.

4.12 In respect of appearance, general workmanship and finish, the suitcases shall conform to the sample previously approved by the consumer.

5. SAMPLING

5.1 Unless otherwise agreed to between the purchaser and the supplier, the procedure given in IS:2500 (Part I)-1973† shall be followed for sampling. The scale of sampling shall be corresponding to inspection level III given in Table 1 of IS:2500 (Part I)-1973†.

5.2 The sampling plan shall be corresponding to AQL of 4.0 percent given in Table 2 "Single sampling AQL plans" of IS:2500 (Part I)-1973†.

6. MARKING

6.1 Each suitcase shall be clearly and permanently marked with the following:

- a) Manufacturer's name or registered trade-mark, and
- b) Size of the suitcase.

6.1.1 Suitcases may also be marked with the ISI Certification Mark.

NOTE—The use of the ISI Certification Mark is governed by the provisions of the Indian Standards Institution (Certification Marks) Act and the Rules and Regulations made thereunder. The ISI Mark on products covered by an Indian Standard conveys the assurance that they have been produced to comply with the requirements of that standard under a well-defined system of inspection, testing and quality control which is devised and supervised by ISI and operated by the producer. ISI marked products are also continuously checked by ISI for conformity to that standard as a further safeguard. Details of conditions under which a licence for the use of the ISI Certification Mark may be granted to manufacturers or processors, may be obtained from the Indian Standards Institution.

7. PACKING

7.1 The suitcase shall be packed to ensure safe transportation. These may also be packed as agreed to between the manufacturer and the supplier.

*Specification for electroplated coatings of nickel and chromium on iron and steel (*first revision*).

†Sampling inspection tables: Part I Sampling inspection by attributes and by count of defects (*first revision*).

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INDIAN STANDARDS INSTITUTION

Manak Bhavan, 9 Bahadur Shah Zafar Marg, NEW DELHI 110002

Telephone : 27 01 31 (20 lines)

Telegrams : Manaksanstha

Regional Offices:

Western : Novelty Chambers, Grant Road	BOMBAY 400007	37 97 29
Eastern : 5 Chowringhee Approach	CALCUTTA 700072	23-08 02
Southern : C.I.T. Campus, Adyar	MADRAS 600020	41 24 42

Branch Offices:

'Pushpak', Nurmohamed Shaikh Marg, Khanpur	AHMADABAD 380001	2 03 91
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5-8-56/57 Nampally Station Road	HYDERABAD 500001	4 57 11
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